Installation and Operating Guide | Warranty

Model Numbers | C30W46 | Direct View TVs

zenith

' Copyright 2004, LG Electronics USA, Inc.

RECORD YOUR MODEL NUMBER
(Now, while you can see it)

The model and serial number of your new TV are located on the back of the TV cabinet. For your future convenience, we suggest that your record those numbers here:

MODEL NO._____

SERIAL NO._____

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

POWER CORD POLARIZATION:

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU´AU FOND.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer’s attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

CAUTION: Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user’s authority to operate this product. The responsible party for this product’s compliance is :

Zenith Electronics Corporation, 1-201-816-2000

Marketed and Distributed in the United States by LG Electronics U.S.A., Inc.

1000 Sylvan Avenue, Englewood Cliffs, NJ 07632

http://www.zenith.com

IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this operating guide can help you get many years of enjoyment and safe operation that are built into your new product.

This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions
All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Line-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

PORTABLE CART WARNING

(Continued on next page)

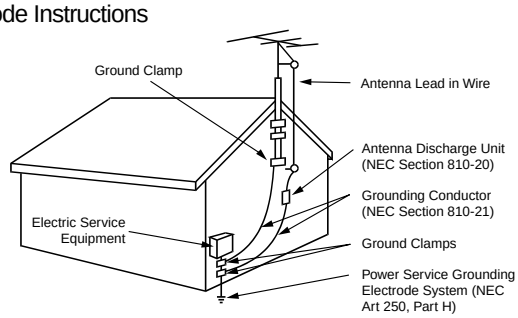
IMPORTANT SAFETY INSTRUCTIONS

(Continued from previous page)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions


Ground Clamp
Antenna Lead in Wire
Antenna Discharge Unit (NEC Section 810-20)
Grounding Conductor (NEC Section 810-21)
Electric Service Equipment
Ground Clamps
Power Service Grounding Electrode System (NEC Art 250, Part H)

NEC- National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. If the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e. If the product has been dropped or the cabinet has been damaged.

f. If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

CONTENTS

Safety Warnings 2

Important Safety Instructions 3

Remote Control / TV Front Panel Overview 6 ~ 8

Basic TV Setup and Operation 9

- Turning the TV On/Off.....9
- Selecting a Language for the Menus 9
- Channel Search 9
- Adjusting the Sound Level 9

Channel Menu Options 10

- Channel Search. 10
- EZ Scan Memorizing the Channels 10
- Manual Program Adding/Deleting Channels ..11
- Fine Tuning Adjustment 11
- Favorite Channel Memory.....12
- Auto Demonstration 12

Picture Menu Options .....13 ~ 14

- EZ Video 13
- Cinema Mode Setup 13
- VM (Velocity Modulation) 13
- ACC (Auto Color Control).....13
- User Picture Appearance Adjustments 14
- Picture Formats.....14

Sound Menu Options .....15 ~ 16

- Stereo/SAP Broadcast Setups.....15
- EZ Audio 15
- AVL (Auto Volume Leveler) 16
- TV Speakers On/Off.....16
- Adjusting Equalizer (User mode in EZ Audio).....16
- Adjusting Balance 16

Timer Menu Options .....17 ~ 18

- Setting the Clock: Auto/Manual 17
- Off Timer/On Timer Setup.....18
- Sleep Timer Setup 18
- Auto Off 19

Special Menu Option .....20 ~ 21

- Selecting the Main Picture Input Source 20
- Key Lock 20
- Picture Tilt 20
- Degaussing Screen 21

Closed Captions .....22 ~ 23

- Closed Captions Overview 22
- Captions On, Off, EZ Mute Setup 23
- Operating Captions/Text Menu 23

PIP (Picture-in-Picture) / Double Picture. 24 ~ 26

- Watching PIP (Picture-in-Picture) 24
- Selecting the Viewing Source (In PIP and Twin picture modes).....24
- Channel Search 25
- Moving the Sub Picture (In PIP mode) 25
- Swapping Main/Sub Pictures 25
- Still Picture 26
- Adjusting the Earphone Volume (In PIP and Twin Picture Modes) 26

Parental Control Overview.....27 ~ 28

- Blocking Setup 28

Antenna Connections 29

External Equipment Connection and Viewing Setup .....30 ~ 32

Maintenance 33

Product Specifications 34

Troubleshooting Checklist 35

Warranty.....Back cover

Setup Checklist

Step 1

Connect TV and all equipment.
See pages 29-32

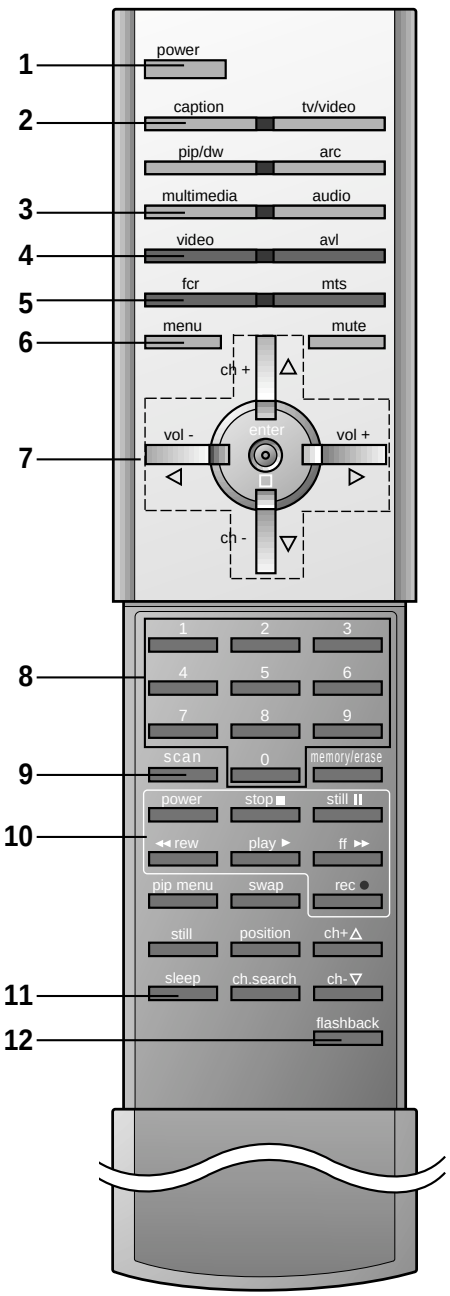
Step 2

Do a channel search.
See pages 10-11

Step 3

Set up the individual features, picture, and sound to your personal preference.
See appropriate pages

Remote Control / TV Front Panel Overview



1. **POWER (or ON/OFF)**
   Refer to **"Turning the TV on/off".**

2. **CAPTION**
   Selects CAPTIONS: **On**, **EZ Mute**, or **Off**.

3. **MULTIMEDIA**
   Selects COMPONENT mode.

4. **VIDEO**
   Selects factory preset picture settings: **Day Light**, **Clear**, **Optimum**, **Soft**, or **User**.

5. **FCR (Favorite Channel Review)**
   Selects favorite channels.
   Refer to **"Favorite channel memory"**.

6. **MENU**
   Displays on-screen menus.

7. **CHANNEL UP/DOWN**
   - Selects the desired channel.
   - Selects the desired menu option when menu is displayed on the screen.

   VOLUME UP/DOWN
   - Increase or decrease sound level.
   - Enters or adjusts the selected menu options when menu is displayed on the screen.

   ENTER (■)
   - To memorize the adjusted menu.
   - To recall the current TV mode (by remote control only).

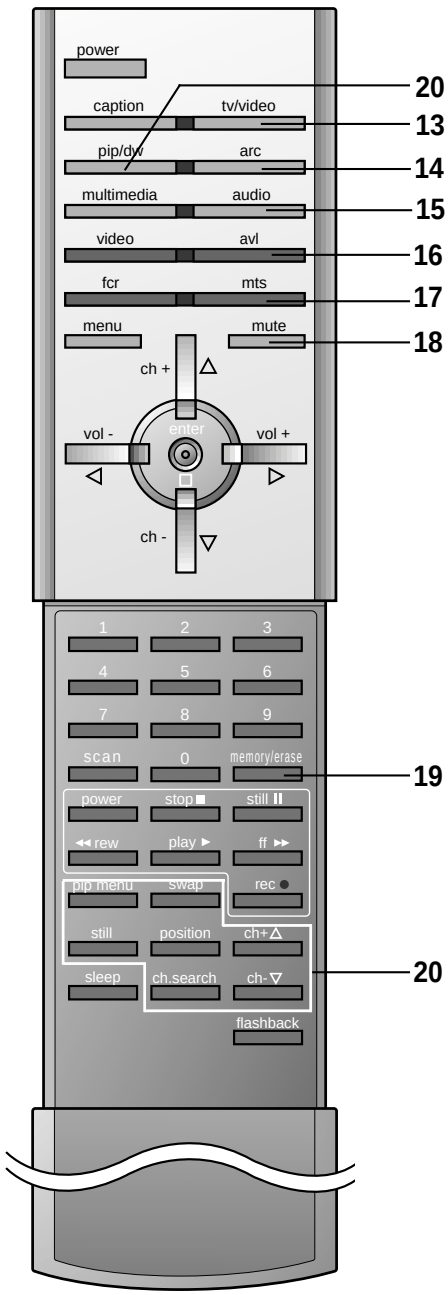
8. **NUMBER BUTTONS**
   Direct channel selection.

9. **SCAN**
   To search and memorize channels with EZ Scan.

10. **VCR BUTTONS**
    Control some video cassette recorders.

11. **SLEEP**
    Sets a TV turn-off time.

12. **FLASHBK**
    Returns to the previous channel.



13. TV/VIDEO
Selects TV, VIDEO, or COMPONENT mode.

14. ARC
Selects 4:3, 16:9 or Zoom picture formats.

15. AUDIO (Not available using earphones).
Selects the sound appropriate for the program's character; **Flat**, **Music**, **Movie**, **Sports** or **User**.

16. AVL (Auto Volume Leveler)
Maintains an equal volume level for each channel.

17. MTS
Selects MTS sound: **Mono**, **Stereo**, or **SAP**.

18. MUTE
Press to remove sound. Press again to restore sound.

19. MEMORY/ERASE
To memorize or erase a channel.

20. PIP (Picture-in-Picture)

PIP/DW
Selects the PIP mode or Double window mode.

PIP MENU
To display menus for PIP mode or double window mode.

SWAP
Switches the main and sub pictures.

STILL
Freezes the sub picture in PIP mode or the currently-viewed main picture.

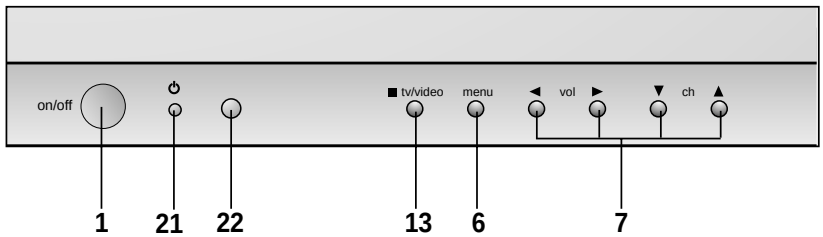
POSITION
Moves the sub picture to another corner of the main picture.

CH.SEARCH
To search one the pictures of all the programmed channels through the sub pictures while the main picture remains as the video input source.

CH +/–
Selects the sub picture channel.

Remote Control/Front Control Panel (Continued)

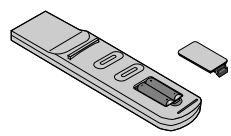
This is a simplified representation of the front panel.



21. STANDBY INDICATOR (⏻)
Illuminates red bright when the TV is in standby mode. Refer to **"Turning the TV on/off"**.

22. REMOTE CONTROL SENSOR

Installing Batteries in the Remote Control



- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Install two 1.5V batteries of AAA type. Don't mix used batteries with new batteries.

Basic TV Setup and Operation

Before operating your TV, make sure the TV has been connected to an antenna or cable system and the TV is plugged into a power outlet. p 29 ~ 32.

Turning the TV On/Off

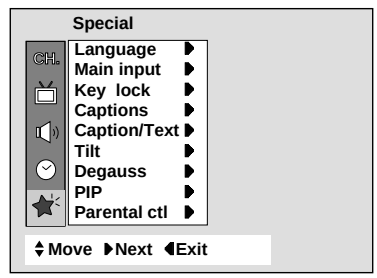
The set switches to standby mode and the standby indicator lights red.
To switch the TV on from standby mode, press the tv/video, ch ▲/▼ button on the set or tv/video, multimedia, ch ▲/▼, power or any number button on the remote control.
The on-screen will appear on the top-right of the screen and will disappear after a few seconds.

Press the **power** button on the remote control. The TV reverts to standby mode.

Selecting a Language for the Menus

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **Language**.
3. Press the ▶ button and then use ▲/▼ button to select the desired language.

   From this point on, the on-screen display will be presented in the language of your choice.
4. Press the ◀ button to exit.

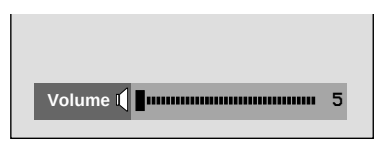


Channel Search

Use the ch ▲/▼ button to easily select the next higher or lower channel. Or, use the **NUMBER** buttons to directly select the desired channel.

Adjusting the Sound Level (Not available using earphone.)

Use the **vol**◀ /▶ buttons to increase or decrease the volume level.
Turn off the sound with the **mute** button.
The word **Mute** is displayed
Using Mute is convenient if you need to answer a telephone call.
To restore the muted sound, press the **mute** button again or **vol**◀ /▶button.



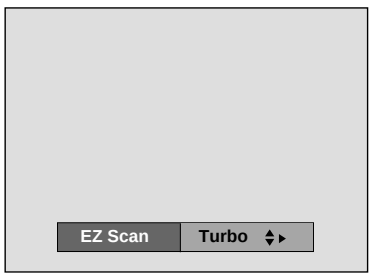
Channel Menu Options

Channel Search

Channel Search memorizes all the active channels in your area. You must do a channel search before you can use the TV.
There two ways of memorizing channels. You can use either, **EZ Scan** or **Manual Program.**
In **EZ Scan**, the TV memorizes the channels in ascending numerical order.
You can also add or delete channels manually.

Memorizing Available Channels with EZ Scan

EZ Scan searches and memorizes all the active channels in your area.
Select a channel with the ▲/▼ buttons.

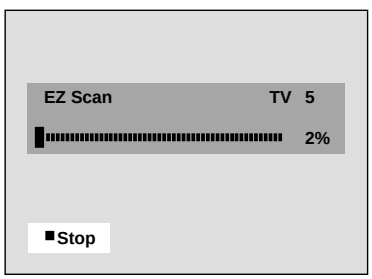


Using the scan button

You can conveniently perform EZ Scan using the **scan** button on the remote control.

1. Press the **scan** button.
2. Press the ▲/▼ button to select **Turbo** or **Normal**.
3. Press the ▶ or **scan** button.
   The EZ Scan starts.

If you want to stop auto programming, press the **enter (■)** button.
Only the channels searched up to that time are memorized.



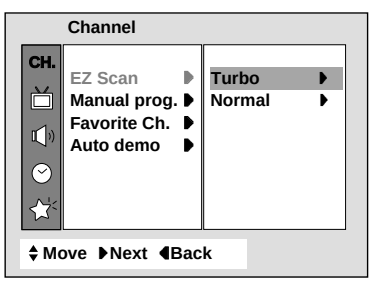
Notes

- **Turbo EZ Scan** works faster than **Normal EZ Scan**.
- If broadcast signals are of poor quality, try scanning channels again using **Normal EZ Scan**.
- EZ scan stores all available channels regardless of signal (RF, Cable).
- If over-the-air and Cable TV channels are duplicated, use the number buttons (0 ~ 9) to change channels as shown:

Over-the-Air Channels ◀▶ Cable TV Channels .

Using the menu

1. Press the **menu** button and then use ▲ / ▼ button to select the Channel menu.
2. Press the ▶ button and then use ▲/▼ button to select **EZ Scan**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Turbo** or **Normal**.
4. Press the ▶ button. EZ Scan starts.

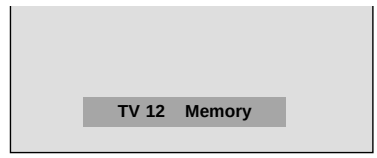


Adding/Deleting Channels with Manual Program

Using the memory/erase button

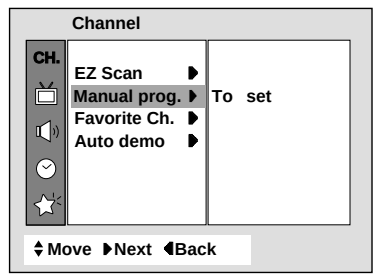
You can conveniently perform Manual Programming using the **memory / erase** button on the remote control.

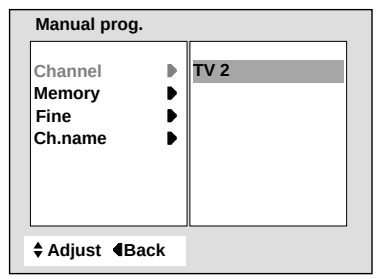
1. Use the ▲ / ▼ buttons or Number Keypad buttons to select the channel number you want to memorize or erase.
2. Press the **memory / erase** button.
   The on screen display appears as shown right.
3. Use the ▲ / ▼ buttons to select the channel number you want to memorize or erase, then use the **memory / erase** button to select **Memory** or **Erase**.
4. Press the **enter (■)** button to exit.



Using the Menu

1. Press the **menu** button and then use ▲ / ▼ button to select the Channel menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Manual prog.**.
3. Press the ▶ button and then use ▲/▼ button to select **Channel**.
4. Press the ▶ button and then use ▲/▼ button to select the channel number you want to memorize or erase.
5. Press the ◀ button and then use ▲/▼ button to select **Memory**.
6. Press the ▶ button and then use ▲/▼ button to select **On** or **Off**.
7. Press the ◀ button and then use ▲/▼ button to select **Ch.name**. You can make a channel name.
8. Press the ▶ button and then use ◀ / ▶ button to select a word position and then ▲/▼ button to enter alphabet **A** to **Z**, number **0** to **9**, or blank.
9. Repeat steps 3 to 8 to memorize or erase other channels.
10. Press the ◀ button to exit.





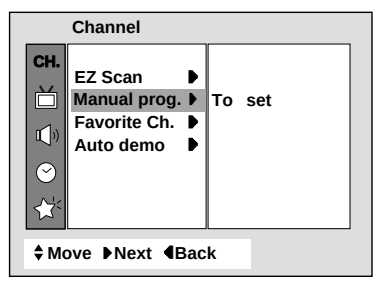
Fine Tuning Adjustment

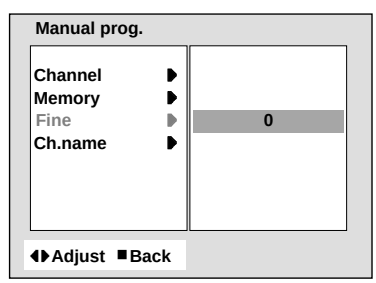
Fine Tuning adjusts the picture to a stable condition if it is poor, for example, a horizontal stripe, twisted picture or no color in program.

1. Press the **menu** button and then use ▲ / ▼ button to select the Channel menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Manual prog**.
3. Press the ▶ button and then use ▲/▼ button to select **Fine**.
4. Press the ▶ button and then use ◀ / ▶ button to adjust the picture appearance to your preference.
5. Press the **enter (■)** button to exit.

Notes

- To remove the memorized fine tuning setting, reprogram the fine-tuned channel with EZ Scan or Manual Program.
- If a finely tuned channel is memorized, the color of the channel number changes to yellow.

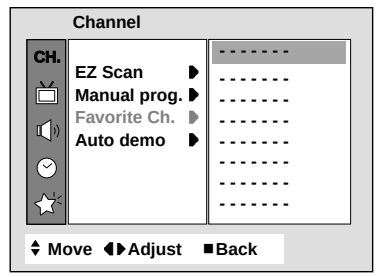




Favorite Channel Memory

Favorite channel memory is a convenient feature that lets you quickly scan up to eight channels of your choice without having to wait for the TV to scan through all the in-between channels.

1. Press the **menu** button and then use ▲ / ▼ button to select the Channel menu.
2. Press the ▶ button and then use ▲/▼ button to select **Favorite Ch.**.
3. Press the ▶ button and then use ▲ / ▼ button to select a favorite channel position.
4. Use the ◀/▶ button to select the desired channel number.
5. Repeat steps 3 to 4.
6. Press the **enter (■)** button to exit.



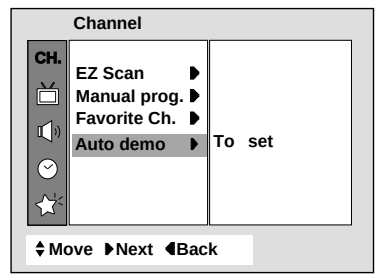
To select a favorite channel, repeatedly press the **fcr** (Favorite Channel Review) button. Eight channels programmed appear on the screen one-by-one.

Auto Demonstration

Auto demo allows you to review all the menus available on the TV set.

1. Press the **menu** button and then use ▲ / ▼ button to select the Channel menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Auto demo**.
3. Press the ▶ button, and the demonstration starts.

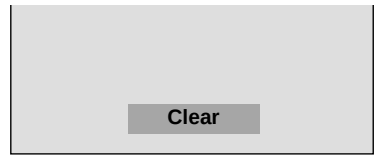
   When the demonstration reaches the last display, it starts again from the beginning.
   To stop auto demonstration, press any button.



Picture Menu Options

EZ Video

You can select preset picture modes.

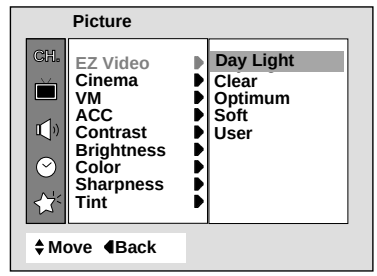


Choosing a picture mode with the video button

1. Repeatedly press the **video** button to select: **Day Light**, **Clear**, **Optimum**, **Soft**, or **User**.
2. Press the **enter (■)** button to exit.

Choosing a picture mode with the Picture menu

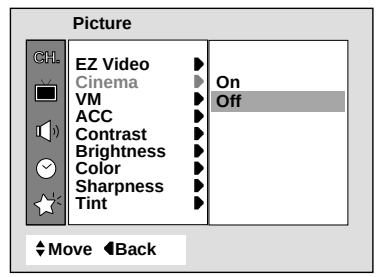
1. Press the **menu** button and then use ▲ / ▼ button to select the Picture menu.
2. Press the ▶ button and then use ▲/▼ button to select **EZ Video**.
3. Press the ▶ button and then use ▲/▼ button to select **Day Light**, **Clear**, **Optimum**, **Soft**, or **User**.
4. Press the ◀ button to exit.



Cinema Mode Setup

Sets up the TV for the best picture appearance for viewing movies.

1. Press the **menu** button and then use ▲ / ▼ button to select the Picture menu.
2. Press the ▶ button and then use ▲/▼ button to select **Cinema**.
3. Press the ▶ button and then use ▲/▼ button to select **On** or **Off**.
4. Press the ◀ button to exit.



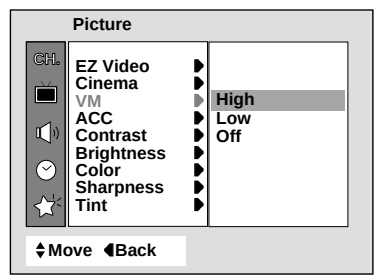
Note

- **Cinema On** only works when selecting 4:3 picture format in Component 480i input.

VM (Velocity Modulation)

If you select **VM High**, the TV will automatically enhance the sharpness of the image's edges.

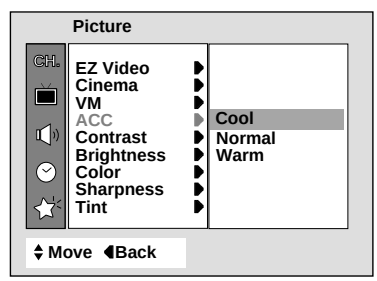
1. Press the **menu** button and then use ▲ / ▼ button to select the Picture menu.
2. Press the ▶ button and then use ▲/▼ button to select **VM**.
3. Press the ▶ button and then use ▲/▼ button to select **High**, **Low**, or **Off**.
4. Press the ◀ button to exit.



ACC (Auto Color Control)

Specify the picture color appearance.

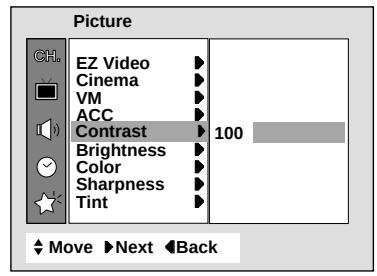
1. Press the **menu** button and then use ▲ / ▼ button to select the Picture menu.
2. Press the ▶ button and then use ▲/▼ button to select **ACC**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Cool**, **Normal**, or **Warm**.
4. Press the ◀ button to exit.

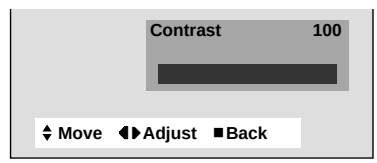


User Picture Appearance Adjustments

You can manually adjust the picture levels: **Contrast**, **Brightness**, **Color**, **Sharpness**, and **Tint** to your preference. If the picture settings you adjust are not satisfactory, you can also select a factory preset picture setup.

1. Press the **menu** button and then use ▲ / ▼ button to select the Picture menu.
2. Press the ▶ button and then use ▲/▼ button to select the desired picture option (**Contrast**, **Brightness**, **Color**, **Sharpness**, and **Tint**).
3. Press the ▶ button and then use ◀/▶ button to adjust the level. The setting of highlighted menu option is displayed. Use the ▲/▼ button to select other options.
4. Press the **enter (■)** button to exit.





Picture Formats

You can select 4:3, 16:9 or Zoom picture proportions.

1. Use the **arc** button to select your desired picture format. Each time you press **arc** button, the picture aspect ratio changes in series: **4:3, 16:9** or **Zoom**.
2. Press the **enter (■)** button to exit.

Note

• This function is not available in Channel search mode.

Sound Menu Options

Stereo/SAP Broadcasts Setup

This TV can receive MTS stereo programs and any SAP (Second Audio Program) accompanying the stereo program. The broadcaster may transmit one additional sound signal as well as the original one. MTS is not available for the video mode.

1. Use the **mts** button to select your desired MTS mode.
   Each time you press **mts** button, the sound mode changes in series: **Mono**, **Stereo**, or **SAP**.
2. Press the **enter (■)** button to exit.

Notes

- Stereo or SAP can only be received if the TV station transmits those signals, even though you have selected **Stereo** or **SAP**.
- Mono sound is automatically received if the broadcast is only in Mono; even though **Stereo** or **SAP** has been selected.
- Select **Mono** if you want to listen to mono sound in remote fringe areas during stereo/SAP broadcasting.

EZ Audio

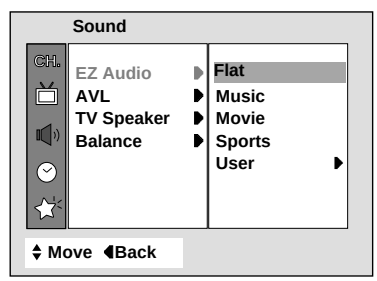
You can enjoy the best sound without any special adjustment because the TV automatically adjusts the sound appropriate to the program's character.

Choosing a sound mode with the audio button

1. Repeatedly press the **audio** button to select **Flat**, **Music**, **Movie**, **Sports**, or **User**.
2. Press the **enter (■)** button to exit.

Choosing a sound mode with the Sound menu

1. Press the **menu** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ button and then use ▲/▼ button to select **EZ Audio**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Flat**, **Music**, **Movie**, **Sports**, or **User**.
4. Press the ◀ button to exit.



AVL (Auto Volume Leveler)

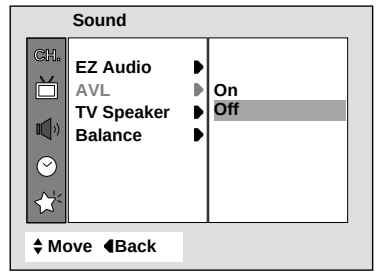
AVL automatically maintains an equal volume level; even if you change channels.

Using the avl button

1. Press the **avl** button.
2. Press the **avl** button to select **On** or **Off**.
3. Press the **enter (■)** button to exit.

Using the sound menu button

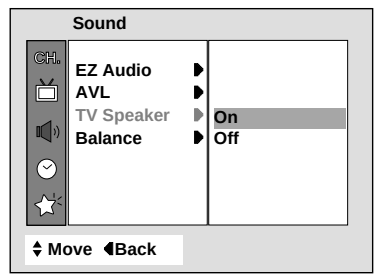
1. Press the **menu** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ button and then use ▲/▼ button to select **AVL**.
3. Press the ▶ button and then use ▲/▼ button to select **On** or **OFF**.
4. Press the ◀ button to exit.



TV Speakers On/Off

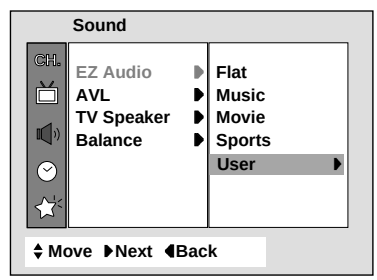
If you want to use your external hi-fi stereo system, select **TV Speaker** - **Off** to turn the TV internal speakers off.

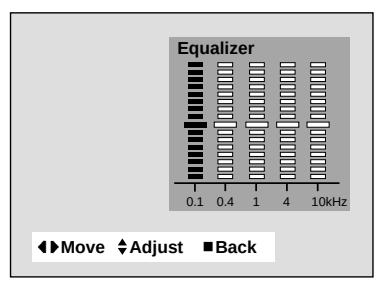
1. Press the **menu** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **TV Speaker**.
3. Press the ▶ button and then use ▲/▼ button to select **On** or **Off**.
4. Press the ◀ button to exit.



Adjusting the Equalizer (User mode in EZ Audio)

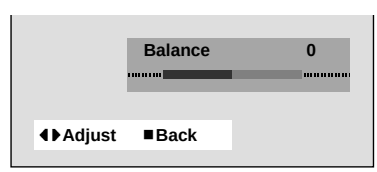
1. Press the **menu** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ button and then use ▲/▼ button to select **EZ Audio**.
3. Press the ▶ button and then use ▲/▼ button to select **User**.
4. Press the ▶ button and then use ◀ / ▶ button to select the sound band and then use ▲/▼ button to adjust the band.
5. Press the **enter (■)** button to exit.





Adjusting Balance

1. Press the **menu** button and then use ▲ / ▼ button to select the Sound menu.
2. Press the ▶ button and then use ▲/▼ button to select **Balance**.
3. Press the ▶ button and then use ◀ / ▶ button to adjust the balance level.
4. Press the **enter (■)** button to exit.



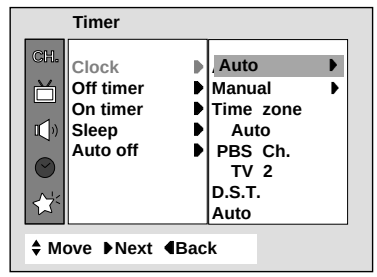
Timer Menu Options

Setting the Clock

Before using the On/Off Timer features, set the current time on the clock.

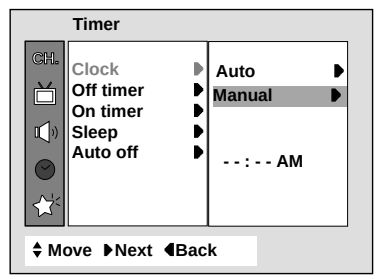
Auto Clock Setup

The time is set automatically through from a PBS broadcast signal. The PBS channel signal includes information for the correct time and daylight saving time.



1. Press the **menu** button and then use ▲ / ▼ button to select the Timer menu.
2. Press the ▶ button and then use ▲/▼ button to select **Clock** .
3. Press the ▶ button and then use ▲/▼ button to select **Auto** .
4. Press the ▶ button and then use the ▲/▼ button to select the time zone for your viewing area. Your choices are: **Auto**, **E.S.T.** (Eastern Standard Time), **C.S.T.** (Central Standard Time), **M.S.T.** (Mountain Standard Time), **P.S.T.** (Pacific Standard Time), **Alaska**, or **Hawaii**.
5. Press the ▶ button and then use the ▲/▼ button to set a PBS channel.
6. Press the ▶ button and then use the ▲ / ▼ button to set **D.S.T.** (Daylight Saving Time) **Auto**, **On**, or **Off**, depending on whether or not your viewing area observes Daylight Savings Time.
7. Press the **enter (■)** button to exit.

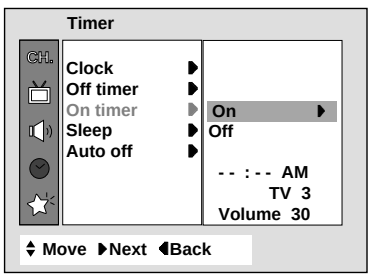
Manual Clock Setup



1. Press the **menu** button and then use ▲ / ▼ button to select the Timer menu.
2. Press the ▶ button and then use ▲/▼ button to select **Clock** .
3. Press the ▶ button and then use the ▲/▼ button to select **Manual**.
4. Press the ▶ button and then use the ▲/▼ button to set the hours.
5. Press the ▶ button and then use the ▲ / ▼ button to set the minutes.
6. Press the **enter (■)** button to exit.

Off Timer/On Timer Setup

Off Timer automatically switches the TV to standby mode at the preset time.
On Timer automatically turns the TV on at the preset time and tunes to the specified channel.

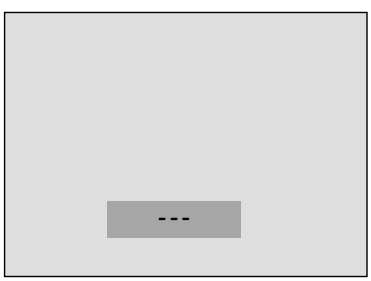


1. Press the **menu** button and then use ▲ / ▼ button to select the Timer menu.
2. Press the ▶ button and then use ▲/▼ button to select either **Off timer** or **On timer**.
3. Press the ▶ button and then use ▲/▼ button to select **On**.
4. Press the ▶ button and then use ▲/▼ button to set the hour.
5. Press the ▶ button and then use ▲/▼ button to set the minute.
6. **For only On timer function:** Press the ▶ and then use ▲ / ▼ button to set the desired channel.
   Press the ▶ button and then use ▲ / ▼ button to set the volume level at turn on.
7. Press the **enter (■)** button to exit.

Notes
- Two hours after the TV is turned on by on timer function, it will automatically revert back to standby mode unless a button has been pressed.
- This function works only in standby mode.
- If the same time is set for the on time and off time, only the off time operates.

Sleep Timer Setup

You don't have to remember to switch the TV to standby mode before you go to sleep. The Sleep Timer automatically turns the TV off after the preset sleep time expires.
Use the **sleep** button to select the desired sleep time.
Each time you press this button, preset sleep time settings are displayed one by one as shown below. The Sleep Timer begins to count down from the number of minutes selected.



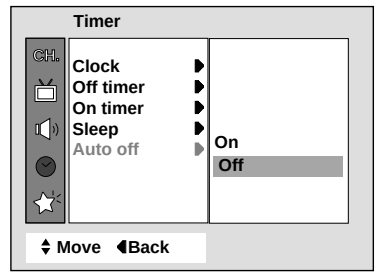
--- → 10 → 20 → 30 → 60 → 90 → 120 → 180 → 240

Notes
- After a few seconds, the desired sleep time setting will disappear and the TV turn-off function will operate automatically.
- To view the remaining sleep time, press the **sleep** button once and the remaining sleep time will be displayed.
- To cancel the Sleep Timer, select the --- setting with **sleep** button.

Auto Off

If an input signal is not present, the TV automatically switches to standby mode after 10 minutes.

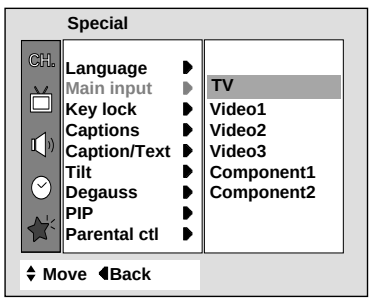
1. Press the **menu** button and then use ▲ / ▼ button to select the Timer menu.
2. Press the ▶ button and then use ▲/▼ button to select **Auto off**.
3. Press the ▶ button and then use ▲/▼ button to select **On** or **Off**.
4. Press the ◀ button to exit.



Special Menu Options

Selecting the Main Picture Input Source

Changes the picture source for the main screen so you can watch your off-air TV, cable TV, VCR, DVD, or any other devices that are connected to your TV.



Using the tv/video button

1. Repeatedly press the **tv/video** button to select: **TV**, **Video 1**, **Video 2**, **Video 3**, **Component 1**, or **Component 2**.

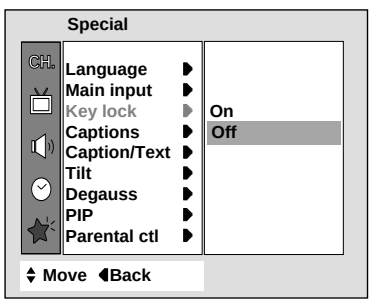
Using the multimedia button

1. Repeatedly press the **multimedia** button to select: **Component 1** or **Component 2**.

Using the menu

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Main input**.
3. Press the ▶ button and then use ▲ / ▼ button to select **TV**, **Video 1**, **Video 2**, **Video 3**, **Component 1**, or **Component 2**.
4. Press the ◀ button to exit.

Key Lock



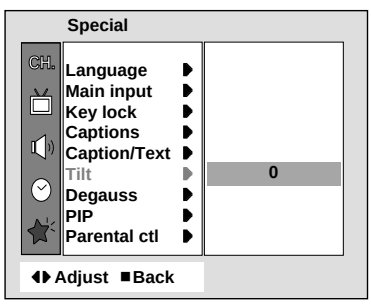
The TV can be set up so that the remote control is needed to operate it. This feature can be used to prevent unauthorized viewing.

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Key lock**.
3. Press the ▶ button and then ▲ / ▼ button to select **On** or **Off**.
4. Press the ◀ button to exit.

Notes

- With the key lock on, the display **Key lock** appears on the screen if any button on the front panel is pressed while viewing the TV.
- This TV is programmed to remember which option it was last set to when you turn the TV on from standby mode.

Picture Tilt



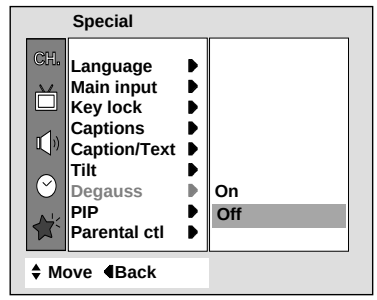
The picture on the TV screen may tilt to left or right if the TV is moved to face another direction. Picture Tilt is used to correct any uneven picture tilt.

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲ / ▼ button to select **Tilt**.
3. Press the ▶ button and then use ◀ / ▶ button to adjust the tilt.
4. Press the **enter (■)** button to exit.

Degaussing Screen

In this TV, the magnetic field of the earth may influence the color purity of the picture. The picture can also be disturbed by other nearby magnetic influences or perhaps because of the location of the TV itself. Stripes may appear on the screen or the color may not be equal in the corners. Use Degauss to reset the color purity.

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **Degauss**.
3. Press the ▶ button and then use ▲/▼ button to select **On** or **Off**. After the degaussing function works, **ON** mode switches to **OFF** mode automatically.
4. Press the ◀ button to exit.



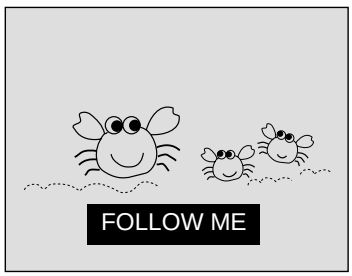
Notes

- Do not use Degauss too often or the life of the CRT may be shortened.
- If you are unable to correct the problem by degaussing, try again after about 4 minutes.

Closed Captions

Closed captioning is a process which converts the audio portion of a television program into written words, which then appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of television programs.

Closed Captions Overview



Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It's possible to caption a live program by using a process called “real-time captioning”, which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English.
Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.

• The picture at left shows a typical caption.

Caption Tips

- Not all TV broadcasts include closed caption signals.
- Sometimes TV stations broadcast two different caption signals on the same channel. By selecting CC 1 or CC 4, you can choose which signal you view. CC 1 is usually the signal with the captions, while another mode might show demonstrations or programming information.
- Your TV might not receive caption signals normally in the following situations.

1 Poor reception conditions are encountered:

■ IGNITION:
Picture may flutter, drift, suffer from black spots or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills and other electrical appliances.

■ GHOSTS:
Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

■ SNOW:
If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

2 An old, bad or illegally recorded tape is played.

3 Strong, random signals from a car or airplane interfere with the TV signal.

4 The signal from the antenna is weak.

5 The program wasn't captioned when it was produced, transmitted or taped.

Text Overview

Text services give a wide variety of information on all kind of subjects (ex. captioned program lists, weather forecasts, stock exchange topics, news for hearing-impaired---) through the full TV screen.
But not all stations offer text services, even though they might offer captioning.

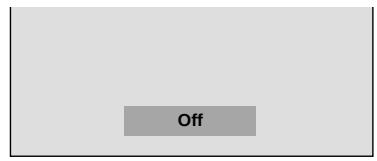
Note

- In the event you receive a poor signal, an empty black box may appear and disappear, even when the text mode is selected. This is normal function in such an event.

Captions On, Off, EZ Mute Setup

Captions setup with the caption button

1. Use the **caption** button to select **On**, **EZ Mute**, or **Off**.
2. Press the **enter (■)** button to exit.

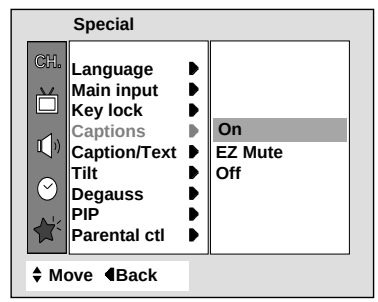


Captions setup with the menu

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **Captions**.
3. Press the ▶ button and then use ▲/▼ button to select **On**, **EZ Mute**, or **Off**.
4. Press the ◀ button to exit.

Note

- EZ Mute shows the selected captions option (if available on program) if the TV sound is muted.

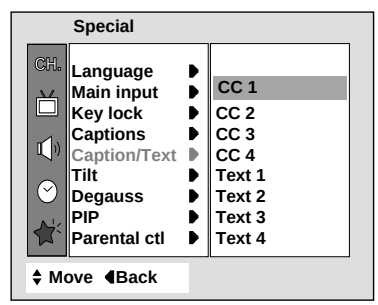


Operating Captions/Text

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **Caption/Text**.
3. Press the ▶ button and then use ▲/▼ button to select **CC1**, **CC2**, **CC3**, **CC4**, **Text 1** , **Text 2** , **Text 3** , or **Text 4**.
4. Press the ◀ button to exit.

Note

- This TV is programmed to remember which mode it was last set to, even if you turn the TV off.



PIP/Double Window Modes

NOTE: PIP is not available if Parental Control is active.
Twin picture doesn't work in zoom and 4:3 mode.

Watching PIP (Picture-in-Picture)

PIP is a smaller picture placed on the larger main picture screen. Using the PIP feature enables you to view two different programs on the TV screen at the same time.

1. Use the **pip/dw** button to select either PIP mode or Double window mode. Press the **pip/dw** button repeatedly to select the desired sub picture size. The sub picture appears as indicated below.

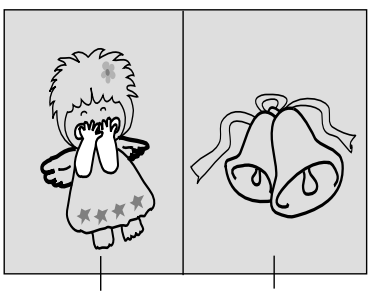
PIP [S] → PIP [M] → Twin picture → PIP off

2. Use the **ch +/–** button of the PIP to select the desired channel for the sub picture.

Note

- Use the ▲/▼ button to select the next higher/lower channel for the main picture and use the **ch +/–** button to select the next higher/lower channel for the sub picture.

PIP Mode

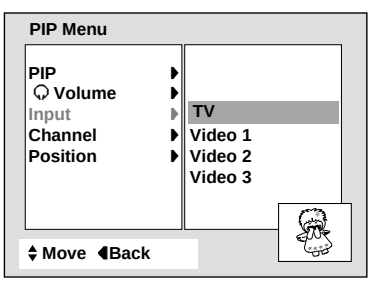


Double Window Mode

Selecting the Viewing Source (in PIP and Double Window Modes)

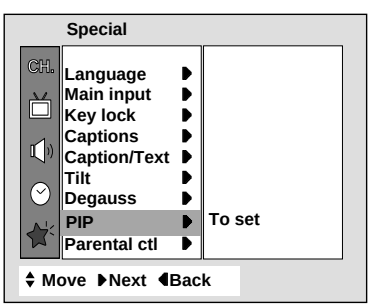
Using the pip menu

1. Press the **pip menu** button.
2. Press the ▲/▼ button to select **Input**.
3. Press the ▶ button and then use ▲/▼ button to select **TV**, **Video 1**, **Video 2**, or **Video 3**.
4. Press the ◀ button to exit.



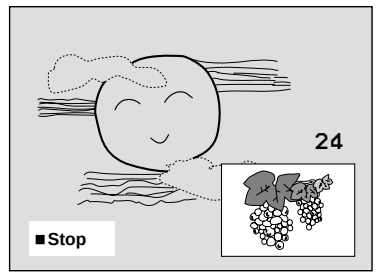
Source selection with the menus

1. Press the **menu** button and then use ▲/▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **PIP**.
3. Press the ▶ button and then use ▲/▼ button to select **Input**.
4. Press the ▶ button and then use ▲/▼ button to select **TV**, **Video 1**, **Video 2**, or **Video 3**.
5. Press the ◀ button to exit.



Channel Search

Use sub picture Channel Search to view one the pictures of all the programmed channels through the PIP screen, while the main screen remains the video input source.



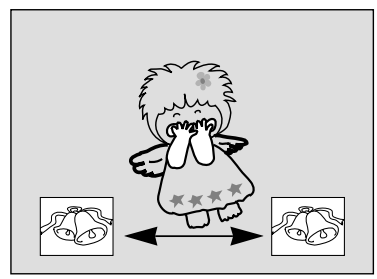
Press the **ch.search** button.
The pictures of all the programmed channels are searched through on the PIP screen, as shown right.

To stop channel search, press the **ch.search** or **enter (■)** button.

Note
- By pressing the **swap** button, the channel being searched on the PIP screen appears on the main screen.

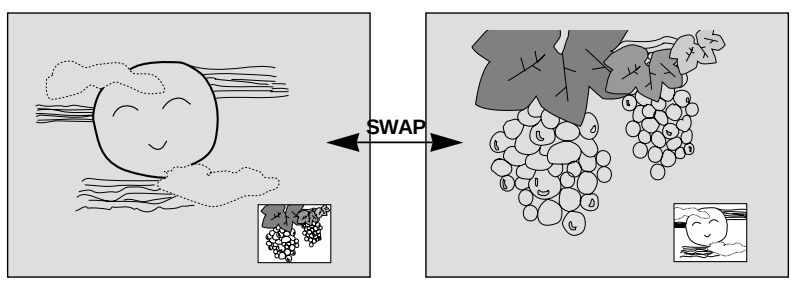
Moving the Sub Picture (in PIP mode)

Press the **position** button repeatedly to move the sub picture.



Swapping Main/Sub Pictures

Press the **swap** button.
Each time you press **swap**, the main and sub pictures are exchanged.

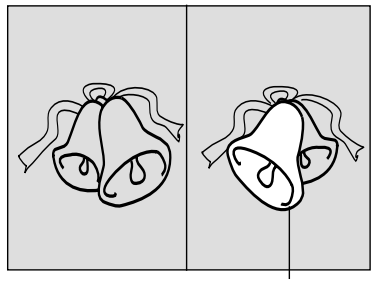


Still Picture (Freeze)

Press the **still** button.
In PIP mode, the sub picture image is frozen.

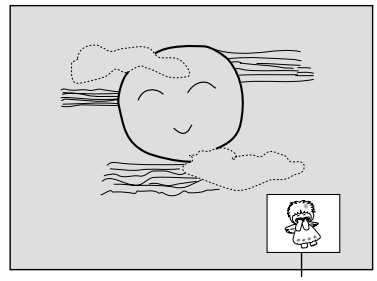
To cancel still picture mode, press the **still** button again.

Notes
- If PIP mode is not active, the currently-viewed picture is frozen if the **still** button is pressed.



Still Picture

Double Window Mode



Still Picture

PIP Mode

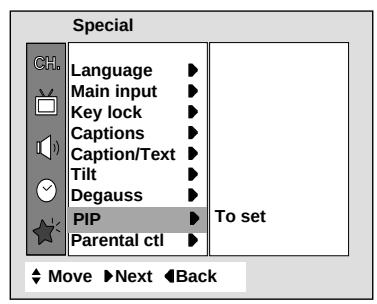
Adjusting Earphone Volume (in PIP and Double Window modes)

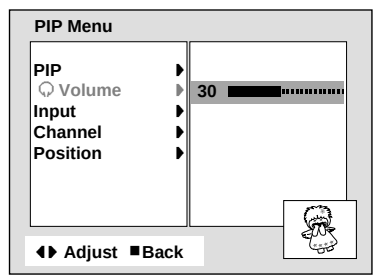
Using the pip menu Button

1. Press the **pip menu** button.
2. Use the ▲/▼ button to select **Volume**.
3. Press the ▶ button and then use ◀/▶ button to adjust sound level.
4. Press the **enter (■)** button to exit.

Using the menu button

1. Press the **menu** button and then use ▲ / ▼ button to select the Special menu.
2. Press the ▶ button and then use ▲/▼ button to select **PIP**.
3. Press the ▶ button and then use ▲ / ▼ button to select **Volume**.
4. Press the ▶ button and then use ◀ / ▶ button to adjust earphone sound level.
5. Press the **enter (■)** button to exit.





Parental Control Overview

The Parental Control Function (V-Chip) can be used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use the Parental Control Function, the following must be set:

1. Ratings and categories to be blocked.
2. A password.
3. Enabling the lock.

V-Chip Ratings and Categories

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

For Movies Previously Shown in Theaters

Movie Ratings:

- Unblocked
- G and Above (general audience)
- PG and Above (parental guidance suggested)
- PG-13 and Above (13 years and up)
- R and Above (restricted)
- NC-17 and Above (18 years and up)
- X (adult)

If you set PG-13 and Above, G and PG movies will be available; PG-13, R, NC-17, and X will be blocked.

For Television Programs Including Made-for-TV Movies:

General TV Ratings:

- Unblocked
- TV-G and Above (general audience) (individual categories do not apply)
- TV-PG and Above (parental guidance suggested)
- TV-14 and Above (14 years and up)
- TV-MA (mature audience)

Children TV Ratings:

- Unblocked
- TV-Y and Above (youth) (individual content categories do not apply)
- TV-Y7 (youth, 7 years and up)

Content Categories:

- Dialog - sexual dialogue (applies to TV-PG and Above, TV-14)
- Language - adult language (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Sex scenes - sexual situations (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- Violence (applies to TV-PG and Above, TV-14 and Above, TV-MA)
- F Violence - fantasy violence (applies only to TV-Y7)

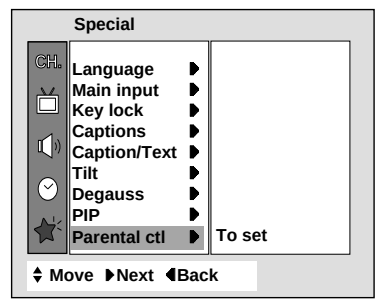
Parental Control Setup

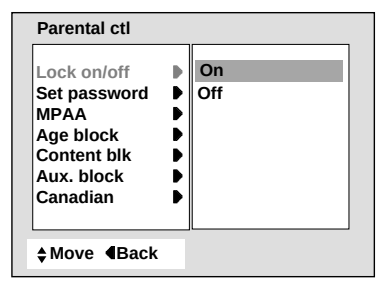
Canadian English Language Rating System:
- Unblocked
- C and above (Children)
- C8 + (8 years and up)
- G and above (General audience)
- PG and above (Parental guidance suggested)
- 14+ (Viewers 14 years and up)
- 18+ (Adult)

Canadian French Language Rating System:
- Unblocked
- G and above (General audience)
- 8 ans+ (8 years and up)
- 13 ans+ (13 years and up)
- 16 ans+ (16 years and up)
- 18 ans+ (Adult)

Blocking Setup

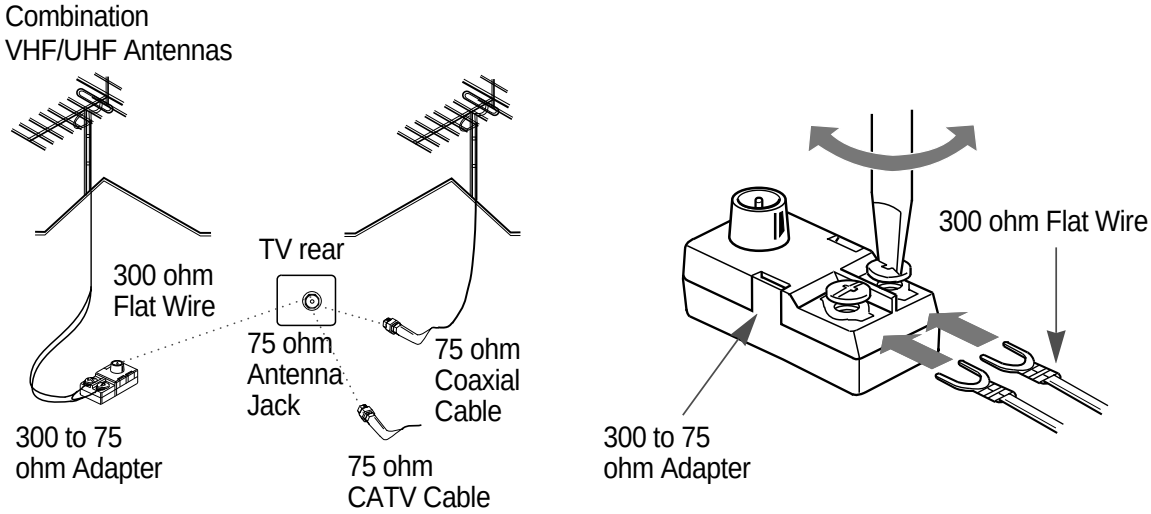
1. Press the **menu** button and then use ▲/▼ button to select the Special menu.
2. Press the ▶ button and then use the ▲/▼ button to select **Parental ctl**.
3. Press the ▶ button and then set the initial 4-digit password "7-7-7-7" with the number keypad. If Parental is already set, enter the password when requested.
4. Use the ▲/▼ button to select **Lock on/off**.
5. Press the ▶ button and then use the ▲/▼ button to select **on** or **off**.
6. Press the ◀ button and then use the ▲/▼ button to select **Set password**.
7. Press the ▶ button. Enter a four number password. Enter it again when requested.
8. Press the ▲/▼ button to select the types of blocking to be set.
9. Press the ▶ button and then use the ▲/▼ button to select the types of ratings to block.
   Age block, Content block, Aux. block, and Canadian options, also have sub menus; repeat steps 8 to 9 in sub menu, to set type of blocking and rating.
10. Press the ◀ button to exit.





Note: Use "7-7-7-7" code, if you forget the password.

Antenna Connections



Connecting an Outdoor Antenna

For the best reception, we recommend you use an outdoor antenna.
Severely weathered antennas and antenna cables can reduce the signal quality. Check antenna and antenna cables condition before making connections. Any service center can explain the various outdoor antennas available to you.

300 Ohm Flat Wire

1. Connect the 300 ohm flat wire to screws on the 300 ohm to 75 ohm adapter.
2. Push the end of 300 ohm to 75 ohm adapter into 75 ohm antenna jack.

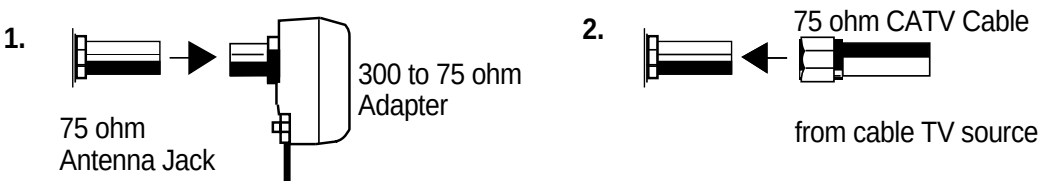
75 Ohm Coaxial Cable

1. Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack.

Note: 300 ohm to 75 ohm adapter is sold separately.

Connecting a CATV Cable

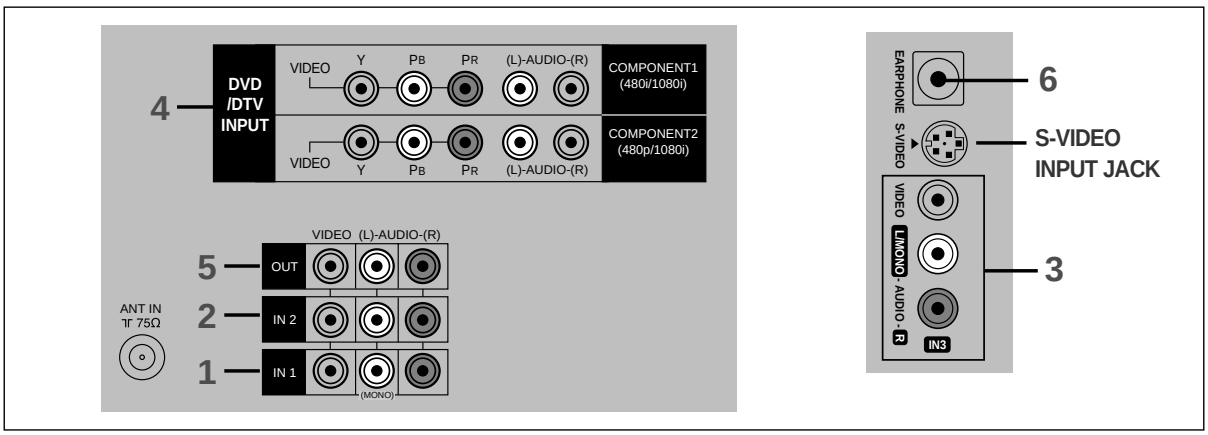
If you subscribe to a CATV system (cable service), change the antenna connection as described below.



1. Remove the 300 to 75 ohm adapter or the cable from the set if attached.
2. Connect the CATV cable (75 ohm coaxial cable) to the 75 ohm antenna jack.

External Equipment Connections and Viewing Setups

You can connect additional equipment, such as VCRs, camcorders etc. to your TV.
Connection panels shown here may be somewhat different from your TV.
Here is an example drawing of a typical jackpack layout.



1. **IN 1** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Use the **tv/video** button to select **Video 1**.
2. **IN 2** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Use the **tv/video** button to select **Video 2**.
3. **IN 3** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Use the **tv/video** button to select **Video 3**.
4. **DVD/DTV INPUT** JACKS : Connect component output jacks to these inputs. Use the **tv/video** or **multimedia** button to select **Component 1**, **Component 2**.
5. **OUT** JACKS: Connect external equipment inputs (VCR, Audio amplifier) to these outputs for recording or monitoring the selected program.
6. **EARPHONE** JACK : Plug Stereo/Mono earphones to this jack. The audio from earphone is in mono only. For the earphones, the volume level can only be changed using the Special menu for PIP (See page 26). Stereo and SAP are not available for earphones. Also, with earphones the Mute button does not work. You should turn off the speakers, if you don't want to listen to the speaker's sound. See page 16 "TV Speaker". If the earphones are connected, the audio from PIP or Double window is heard, if active.

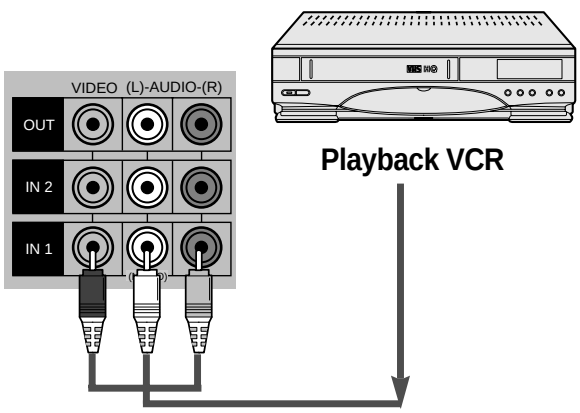
Note: This TV is programmed to remember which mode it was last set to, even if you turn the TV off.

Connecting AUDIO/VIDEO IN Jacks

1. Connect the audio/video output jacks from the VCR to **IN 1** (A/V) jacks on the TV.
2. Use the **tv/video** button to select **Video 1**.

Note: If you connect the audio/video output jacks from the VCR to the **IN2** or **IN3** (A/V) jacks on the TV, select **Video 2** or **Video 3**.

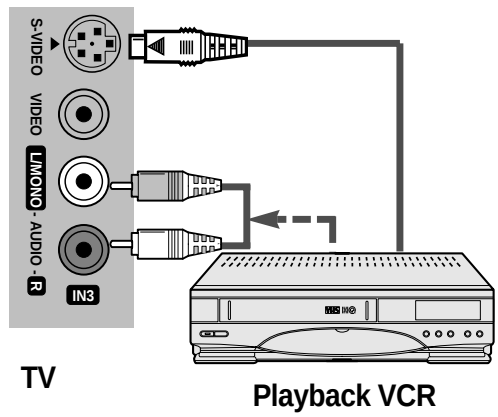
3. Press the **PLAY** button on the VCR.
   The video playback appears on the TV screen.



Note: If using a monaural VCR, connect the output jack from VCR to the **AUDIO L/MONO IN** jack on TV so that the sound can be heard from both speakers. If you connect the output jack to the **AUDIO R IN** jack on the TV, the sound is only heard from right speaker.

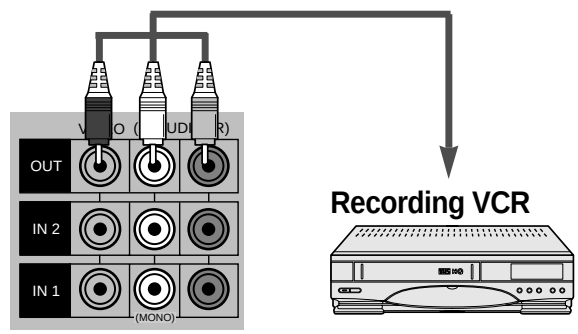
Connecting an S-VHS VCR

1. Connect the S-VHS output jack from the VCR to the **S-VIDEO** jack on the TV.
2. Connect the audio/video output jacks from the VCR to the **IN 3** (A/V) jacks on the TV.
3. Use the **TV/VIDEO** button to select **Video 3**.
4. Press the **PLAY** button on the VCR.
   The video playback appears on the TV screen.



VCR Recording

1. Connect the audio/video input jacks from the recording VCR to the **OUT** (A/V) jacks on the TV.
2. Select the program number on the TV.
3. Set the recording VCR to record.

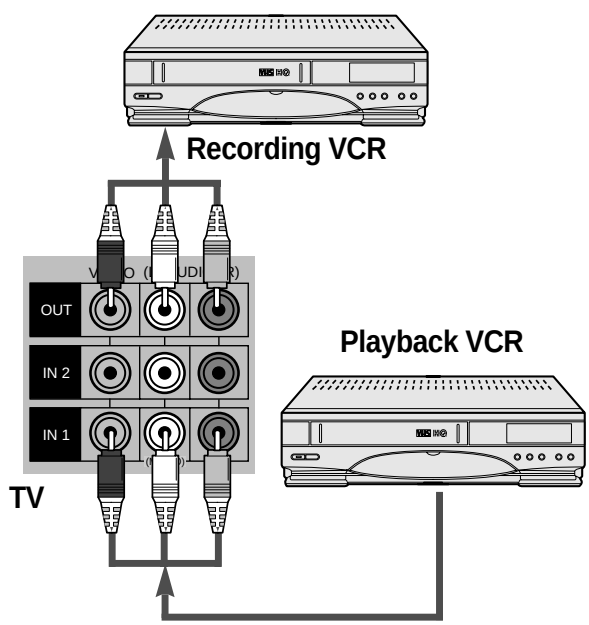


Recording programs from other connected equipment

1. Connect the output jacks from the playback VCR to the **IN 1**, **IN 2**, or **IN 3** (A/V) jacks on the TV.
2. Connect the input jacks from the recording VCR to the **OUT** (A/V) jacks on the TV.
3. Use the **TV/VIDEO** button to select **Video 1**, or **Video 2**.

   If you connect it to the **IN 3** (A/V) jacks on the side of TV, you should select **Video 3**.

4. Press the **PLAY** button on the playback VCR and set the recording VCR to record.

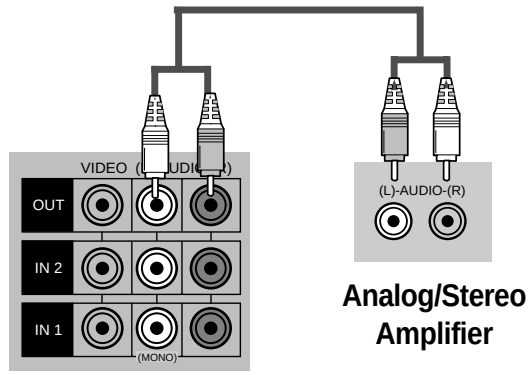


External Stereo Amplifier/Speakers

1. Connect analog/stereo amplifier input jacks to **OUT** (Audio) jacks on the TV.
2. Set up your speakers through your analog/ stereo amplifier, according to the instructions provided with the amplifier.

Note

- If you want to hear the sound through your amplifier's speakers, set the **TV Speaker** option to **Off** (Refer to p.16).



Analog/Stereo Amplifier

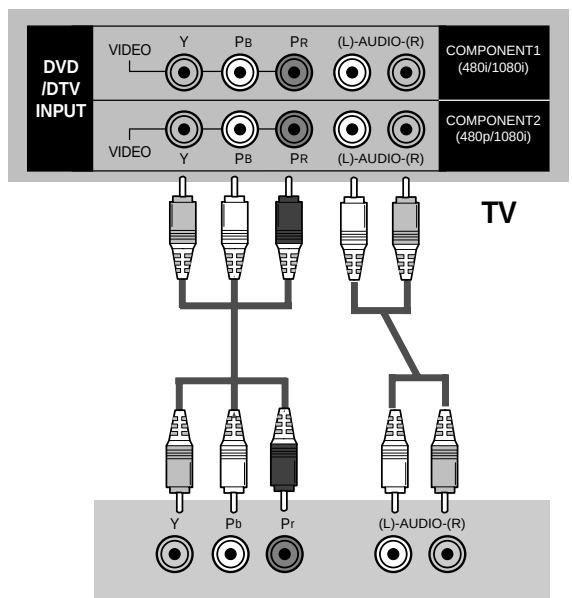
TV

DVD Player Connection

1. Connect the DVD component video output jacks to Y, P_B, P_R on the TV and DVD audio output jacks to audio (L/R) inputs on the TV.
2. Turn on the DVD player and insert a DVD.
3. Use the **tv/video** or **multimedia** button to select **Component 1** or **Component 2**.

Note

- This TV is programmed to remember which mode it was last set to, even if you turn the TV off.



TV

DVD Player

Notes:

- Component 1 (480i/1080i): Input for interlace-scanning DVD players.
- Component 2 (480p/1080i): Input for progressive-scanning DVD players.
-

TV INPUT	Y	P_B	P_R
DVD OUTPUT	Y	Cb	Cr
	Y	B-Y	R-Y
	Y	Pb	Pr
	Y	P_B	P_R

TV INPUT JACKS	COMPONENT 1	COMPONENT 2
DVD OUTPUT RESOLUTION	480i 1080i	480p 1080i

Maintenance

Careful and regular cleaning can extend the amount of time you will have with your new TV. Be sure to turn the power off and pull out the plug before you begin any cleaning.

Screen Cleaning

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cabinet Cleaning

1. Use a soft cloth with a mild soap solution to wipe the cabinet.
2. Rinse the cloth and wipe the cabinet again.
3. Let the cabinet air-dry before turning the TV on.

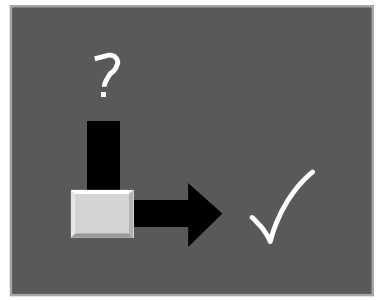
Extended Absence

If you expect to leave your TV dormant for a long time (such as a vacation), unplug the power cord to protect against possible damage from lightning or power surges. If you use an off-air antenna, you may also want to disconnect it from the back of your TV before leaving.

Product Specifications

Model	C30W46
Power requirements	AC 120 V
Television system	NTSC
Television channels	VHF : 2 ~ 13, UHF : 14 ~ 69 Cable : 01 ~ 125
Power consumption	See the back of the TV
External antenna impedance	75 Ω
Audio output	7W + 7W
External input ports	Refer to p.30

Troubleshooting Checklist



SYMPTOMS

No power

No picture or sound

Poor picture but good sound

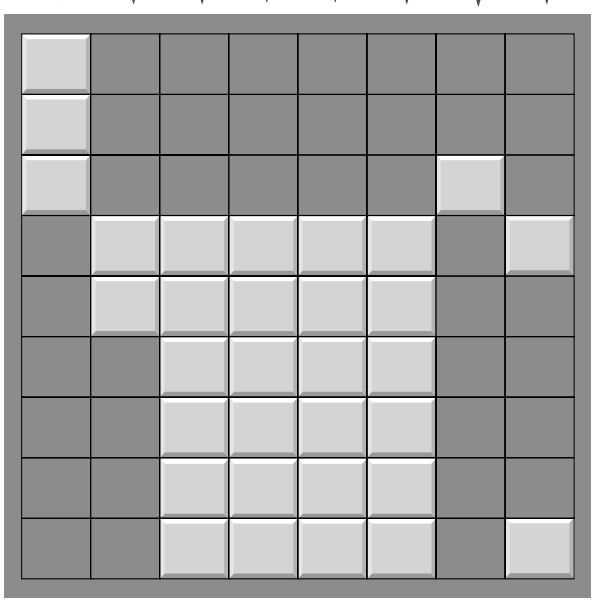
Poor reception

Lines in picture

Ghosts (multiple images)

Remote control does not work.

Cannot tune desired channel.



CHECK THESE THINGS

→ Is power cord plugged in?

→ Is television turned on?

→ Check batteries in remote control.

→ Try another channel (station trouble).

→ Check antenna connections..

→ Check for local interference.

→ Adjust the antenna.

→ Adjust the picture control.

→ Program channel using EZ Scan.

LG ELECTRONICS CORPORATION
ZENITH Direct-View TV LIMITED WARRANTY – USA

LG will repair or replace your product, at LG's option, if it proves to be defective in material or workmanship under normal use, during the warranty period ("Warranty Period") listed below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, excluding U.S.

WARRANTY PERIOD:	**HOW SERVICE IS HANDLED:**
LABOR: 90 days from the Date of Purchase. **PARTS: One Year** from the Date of Purchase. **PICTURE TUBES: 2 Years** from the Date of Purchase. * Parts replaced are warranted for the remaining portion of the original warranty period.	**In-Home Service:** Please retain dealer's dated bill of sale or delivery ticket as evidence of the Date of Purchase for proof of warranty, and submit a copy of the bill of sale to the service person at the time warranty service is provided. **Please call 1-877-9Zenith (1-877-993-6484) to locate your nearest LG Authorized Service Center.** Replacement parts may be new or factory remanufactured. Visit our website at **http://www.zenithservice.com**

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. LG WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES OF ANY NATURE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, LOST OR CORRUPTED PROGRAMMING OR DATA, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that may vary from state to state.

THIS LIMITED WARRANTY DOES NOT APPLY TO:

- Damages or operating problems that result from shipping, installation, adjustment of user controls, calibration, maintenance or failure to maintain, or separate system components; and
- Damages or operating problems that result from normal wear and tear, misuse, abuse, operation outside environmental specifications or contrary to the requirements or precautions in the Operating Guide, accident, lightning strikes or other natural causes, unauthorized modification or alteration, incorrect electrical current or voltage, reception problem caused by inadequate home antenna or faulty antenna connections, computer software, institutional or commercial use, or other causes not arising out of defect in material or workmanship.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

CUSTOMER INTERACTIVE CENTER NUMBERS:

For nearest Authorized Service Center, Where to buy, Product Assistance, or Customer Assistance	**Call 1-877-9Zenith (1-877-993-6484) (24 hours a day, 365 days per year) and select an appropriate option from the menu.** Or visit our website at http://www.zenithservice.com

LG CUSTOMER INTERACTIVE CENTER
201 JAMES RECORD ROAD HUNTSVILLE
ALABAMA 35824
http://www.zenithservice.com

Zenith Part No. 206-03983

P/N : 3828VA0396P (MC021B)